

ABSTRACT

The present invention relates to an ethylene-based copolymer useful as a modifier for resins, e.g., polypropylene, and an ethylene/ α -olefin copolymer composition containing the same ethylene-based copolymer.

The ethylene-based copolymer [I] of the present invention is characterized by:

(a-1) having temperature (T_m) at the maximum peak in the endothermic curve, measured by a differential scanning calorimeter (DSC), of 40 to 90°C,

(a-2) containing the component soluble in decane at normal temperature at 1 to 70% by weight, and

(a-3) containing the component soluble in decane at normal temperature which comprises (i) a recurring unit derived from ethylene and (ii) a recurring unit derived from an α -olefin of 4 or more carbon atoms, and in which a content of (i) the recurring unit derived from ethylene is 50 to 75% by mole. The ethylene-based copolymer composition [II] of the present invention is characterized by containing the ethylene-based copolymer which satisfies the following conditions (b-1) to (b-3):

(b-1) having temperature (T_m) at the maximum peak

in the endothermic curve of the component soluble in decane at 64°C, measured by a differential scanning calorimeter (DSC), of 40 to 90°C,

(b-2) containing the component soluble in decane
5 at 64°C which contains the component soluble in decane at normal temperature at 1 to 70% by weight, and

(b-3) containing the component soluble in decane at normal temperature which comprises (i) a recurring unit derived from ethylene and (ii) a recurring unit
10 derived from an α -olefin of 4 or more carbon atoms, and in which a content of (i) the recurring unit derived from ethylene is 50 to 75% by mole.